Red Hat Certified Specialist in Deployment and Systems Management Exam (EX403)

ID EX403   **Price** 530.— €(excl. tax)   **Duration** 4 hours

Course Overview

The Red Hat Certified Specialist in Deployment and Systems Management exam (EX403) tests the knowledge, skills, and abilities needed to manage large installations of Red Hat® Enterprise Linux® systems using Red Hat Satellite server and related technologies.

By passing this exam, you become a Red Hat Certified Specialist in Deployment and Systems Management, which also counts toward becoming a Red Hat Certified Architect (RHCA®).

Objectives listed for this exam are based on the most recent Red Hat product version available.

Note on the exam:

The subscription duration of 365 days starts upon order submission. Cancelation of individual exam sessions is not allowed Exam session fees are nonrefundable. Non-Cancelable components: No part of any Bundles that includes both non-cancelable and cancelable components may be canceled.

Who should attend

- System administrators responsible for managing large enterprise environments
- Red Hat Certified Engineers interested in becoming a Red Hat Certified Architect (RHCA)

This course is part of the following Certifications

Red Hat Certified Specialist in Deployment and Systems Management (RHCOE-DEPLOYMENT-SYSTEMS-MGMT)

Prerequisites

- Be a Red Hat Certified Engineer or Red Hat Certified System Administrator, or have comparable work experience and skills

- Have taken Red Hat Satellite 6 Administration (RH403) or have extensive work experience working with Red Hat Satellite server
- Review the exam objectives

Preparation

Red Hat encourages you to consider taking the Red Hat Satellite 6 Administration (RH403) course to help prepare.

Course Content

You should be able to perform these tasks:

Configure Red Hat Satellite server

- Create and configure organizations and locations
- Create and configure users and roles

Manage content and software products

- Synchronize Red Hat Enterprise Linux content
- Configure subscriptions, content, and content views
- Create custom products and repositories and populate them with software
- Create products with repository discovery
- Create and configure development life cycles
- Manage signing of custom RPMs

Manage systems

- Register existing hosts
- Install custom software on clients
- Manage hosts with host collections
- Create and use activation keys
- Deploy Satellite capsule servers
- Publish and synchronize content to a Satellite capsule server

Filter content with Content Views

- Apply updates to selected hosts
- Create content filters using Content Views

Manage Ansible roles and remote execution

- Configure Ansible remote execution
- Manage Ansible roles and variables in Satellite
- Run remote jobs on managed hosts

Provision clients

- Configure bare-metal deployments
- Prepare network configuration for provisioning on either a Satellite or a capsule server
- Provision bare metal and virtual clients using kickstarts
- Ensure remote executions are applied upon client installation

Maintain Satellite

- Provision bare metal and virtual clients using kickstarts
- Perform Satellite maintenance
- Backup Satellite

As with all Red Hat performance-based exams, configurations must persist after reboot without intervention.

Exam format

This exam is a performance-based evaluation of systems deployment and management skills and knowledge. You will perform a number of systems administration tasks focused on configuring Red Hat Satellite server and then using that system to deploy client systems. You will be evaluated on whether you have met specific objective criteria. Performance-based testing means that you must perform tasks similar to what you perform on the job.

This exam can also be taken virtually as part of our remote testing format.

Detailed Course Outline

To help you prepare, the exam objectives highlight the task areas students can expect to see covered in the exam. Red Hat reserves the right to add, modify, and remove exam objectives. Such changes will be made public in advance.

- Install Red Hat Satellite Server from an ISO image
- Create and configure organizations and locations
- Create and configure Red Hat Satellite users and roles
- Create GNU Privacy Guard (GPG) keys to sign RPMs
- Create and configure development life cycles
- Create a Puppet product repository

- Configure Red Hat Satellite subscriptions, content, and content views
- Install a Red Hat Satellite capsule server using an ISO image
- Build a custom RPM from a source tarball
- Create a Red Hat Satellite activation key
- Create a Red Hat Satellite host group
- Define smart class parameters for a Puppet module
- Register an existing client to a Red Hat Satellite server
- Apply errata to client
- Configure bare-metal deployment on Red Hat Satellite
- Deploy clients using kick starts

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About Fast Lane

Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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✓ E-Learning
✓ Blended & Hybrid Learning
✓ Mobile Learning

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